## **Abstract**

It is an object of the present invention to provide a copolymer containing a metal coordination compound that has blue phosphorescence emission with excellent color purity and, furthermore, to provide a copolymer containing a metal coordination compound that has luminescence of various colors from blue to red and a long operating life. The present invention relates to a metal coordination compound-containing copolymer that contains a metal coordination compound monomer unit represented by any one of Formulae (1) to (12):

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$$\begin{bmatrix} x_1 & x_2 & x_3 \\ x_4 & x_4 & x_5 \\ x_4 & x_4 & x_5 \\ x_5 & x_4 & x_5 \\ x_6 & x_6 & x_6 \\ x_7 & x_8 & x_6 \\ x_8 & x_8 & x_6 \\ x_8 & x_8 & x_8 \\ x_8 & x_$$

and at least one type of monomer unit selected from the group consisting of a

B:>O, >S, >C=O, >SO<sub>2</sub>, >CR<sub>2</sub>

substituted or unsubstituted quinoline monomer unit, a substituted or unsubstituted arylene and/or heteroarylene monomer unit, a substituted or unsubstituted branched monomer unit, and a substituted or unsubstituted conjugated monomer unit.